

WHAT IS CLAIMED IS:

1. A method of making an injection molded article having a marbled appearance, comprising the steps of:

a) mixing at a temperature of at least 100°C polymeric materials having a thermal conductivity in the range of 0.001 to 0.01 cal/cm-sec-°C wherein the polymeric materials are selected from the group consisting of polyethylene, polystyrene, polyester, and polycarbonate or combinations thereof, and one or more materials selected from the group consisting of ceramics, ceramic composites, metals and metal alloys in a blended relationship to form a viscous phase mixture, the materials in the viscous phase mixture being selected so that when in a solid phase it has a density greater than 4 grams/cc and a thermal conductivity greater than 0.101 cal/cm-sec-°C to form a feedstock;

b) cooling the blended viscous phase mixture to form the feedstock; and

c) using the feedstock in an injection molding machine having a zero compression screw to form the article.

2. The method of claim 1 further comprising the step of processing the feedstock to form pellets which are capable of being placed in the injection molding machine and injection molded with the zero compression screw to form a marbled enclosure body.

3. The method of claim 2 wherein the processing of the feedstock includes extruding the feedstock and cutting the extruded feedstock into the pellets.

4. The method of claim 1 wherein the polymeric material is polystyrene and the one or more materials are zirconia and gold.

5. The method of claim 1 wherein the polymeric material is polystyrene and the one or more materials are titanium carbide and aluminum.

6. The method of claim 1 wherein the polymeric material is polystyrene and the one or more materials are silicon carbide and silver.

7. The method of claim 1 wherein the feedstock a modulus of elasticity greater than 32,000 psi and a fracture stress greater than 3,500 psi.

8. The method of claim 1 wherein the one or more materials are selected from the group consisting of Al, Ti, Mg, Al-Ti-V, or alloys or mixtures thereof.

9. The method of claim 1 wherein the one or more materials are selected from the group consisting of Ni, Cr, stainless steel, or mixtures thereof.

10. The method of claim 1 wherein one or more materials are selected from the group consisting of: ceramics, thermally and electrically insulating oxides, thermally conductive carbides, or mixtures thereof.

11. The method of claim 1 wherein the ceramic composites are thermally and electrically insulating oxides including alumina, zirconia, magnesia, silica or mixtures thereof.

12. The method of claim 1 wherein the ceramic composites are thermally conductive carbides including SiC, TiC, B₄C, WC, or mixture thereof.

13. The method of claim 1 wherein the injection molded article forms at least a portion of a camera body.

14. The method of claim 1 wherein the one or more materials are selected from the group consisting of oxide ceramics which exhibit a wide variety of colors which include oxides of transition elements V, Cr, Mn, Fe, Co, Ni, or mixtures thereof.

15. The method of claim 1 wherein one or more materials are selected from the group consisting of oxide ceramics which exhibit a wide variety of colors which include oxides of rare earth elements La, Ce, Pr, Nd, Gd, or mixtures thereof.

16. The method of claim 1 wherein one or more materials are selected from the group consisting of nitride ceramics which exhibit a wide variety of colors which include TiN, silicon nitride, BN, zirconium nitride, or mixtures thereof.

17. An article formed by the method of claim 1.

18. An article formed by the method of claim 2.

19. An article formed by the method of claim 3.

20. An article formed by the method of claim 4.

21. An article formed by the method of claim 5.

22. An article formed by the method of claim 6.

23. An article formed by the method of claim 7.

24. An article formed by the method of claim 8.

25. An article formed by the method of claim 9.

26. An article formed by the method of claim 10.

27. An article formed by the method of claim 11.

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28. An article formed by the method of claim 12.
29. An article formed by the method of claim 13.
30. An article formed by the method of claim 14.
31. An article formed by the method of claim 15.
32. An article formed by the method of claim 16.

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